

Listing and Amendments to the Claims

This listing of claims replaces all prior versions of claims in this application.

1. (Currently amended) Method of recording scrambled digital data comprising the steps of:

(a) receiving a scrambled digital data stream including a plurality of control packets containing at least one descrambling key; said at least one descrambling key having a periodically changing value;

(b) identifying in said data stream a said plurality of control packets containing said at least one key for descrambling at least a part of the data of the stream;

(c) storing in a table said control packets containing said at least one descrambling key when said value changes; and not storing said control packets containing said at least one descrambling key when said value has not changed; and,

~~checking if said packet is already stored in a table; wherein:~~

~~if said control packet is already stored in said table, said control packet is not stored; and~~

~~if said control packet is not already stored in said table, storing said control packet in said table; and~~

(d) recording the data stream and ~~the~~ said table on a data storage medium;
~~wherein the data stream received in step (a) comprises a plurality of control packets containing at least one descrambling key, at least two of the plurality of control packets being identical.~~

2. (Canceled).

3. (Original) Method according to Claim 1, wherein at step (c), an index indicating the position of the control packet in the data stream is moreover stored in the table.

4. (Original) Method according to Claim 3, wherein the index comprises a serial number of the control packet with respect to the first packet of the data stream recorded.

5. (Original) Method according to Claim 3, wherein the index comprises a time stamp associated with said control packet which defines its position in the data stream with respect to clock reference values transmitted in the data stream.

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (New) Method according to Claim 1, wherein said storing step further comprises forming said table of said descrambling keys in a sequence related to scrambling changes in said received digital data stream.

15. (New) Method according to Claim 1, wherein said storing step further comprises assembling said table of said descrambling keys with non-duplicate descrambling key values.